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AN - 1999-186299 [16]  
TI - L-fucose preparation - from fucodan isolated from Cladosiphon okamuranus Tokida  
AB - J11035591 Prepn. of L-fucose from fucoidan isolated from Cladosiphon okamuranus Tokida comprises:  
(A) dispersion and extn. of Cladosiphon okamuranus Tokida in an acid soln., neutralisation with an alkali, dialysis or electrophoresis, followed by lyophilisation or spray drying the extract to give fucoidan; or (B) dispersion of Cladosiphon okamuranus Tokida in hot water and stirring, extn. and centrifugation to remove insoluble matters to give a liq. prod., opt. followed by spray drying to give powder extract, dissolution in an acid (HCl, oxalic acid or H<sub>2</sub>SO<sub>4</sub>), heating and hydrolysis, neutralisation with an alkali, removal of uronic acid with an ion exchange resin treatment, or isolation of L-fucose with column chromatography, and concn. and crystallisation in an alcohol to give L-fucose.  
- ADVANTAGE - Improved, simple and low cost prepn. of L-fucose from fucoidan contg. 80% of L-fucose.  
- (Dwg.0/0)  
IW - FUCOSE PREPARATION ISOLATE  
PN - JP11035591 A 19990209 DW199916 C07H3/08 003pp  
IC - A61K31/70 ; A61K35/80 ; C07H1/08 ; C07H3/08  
MC - E07-A02 E11-M  
DC - D17 E13  
PA - (TAKO-I) TAKO M  
AP - JP19970226967 19970718  
PR - JP19970226967 19970718